S.T.E.M. ANALYSIS :

Analyzing the Biology Collection at the Biola University Library

The Problem

- The Biola University President, Dr. Barry Correy, made a strategic aspiration to strengthen the teaching and research scholarship of the faculty in the School of Science, Technology, and Health
- The Biola University Library could make an impact toward achieving that goal, but first, they have to know what they have to offer.

The Solution

- Analyze the print and eBook collection of one discipline in STEM to form a research template
- Evaluate the collection in terms of age, usage, faculty opinion, and a peer and aspirational comparison

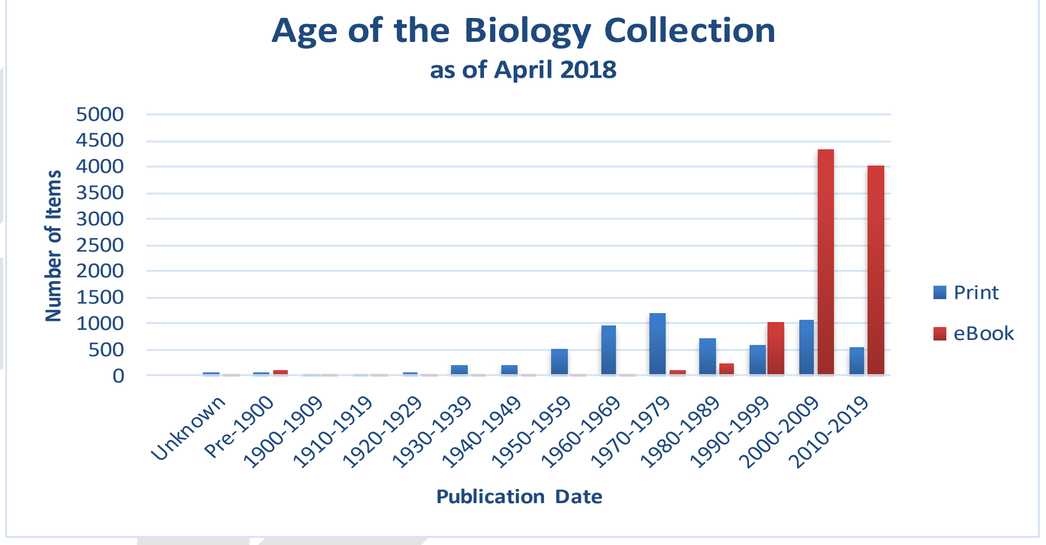
Usage of the Collection

Biology:

2.04% of the collection

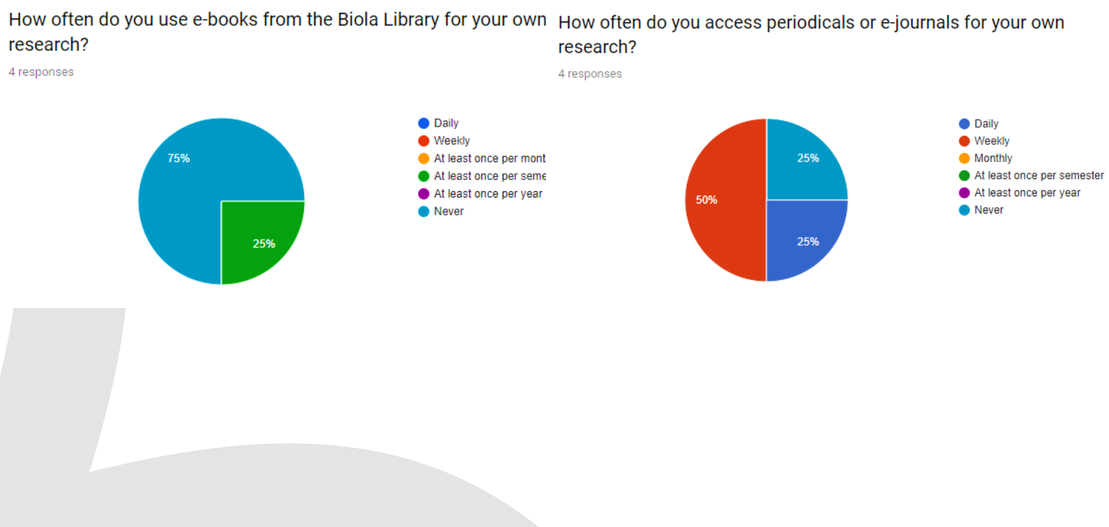
0.38% of the usage

Age of the Collection

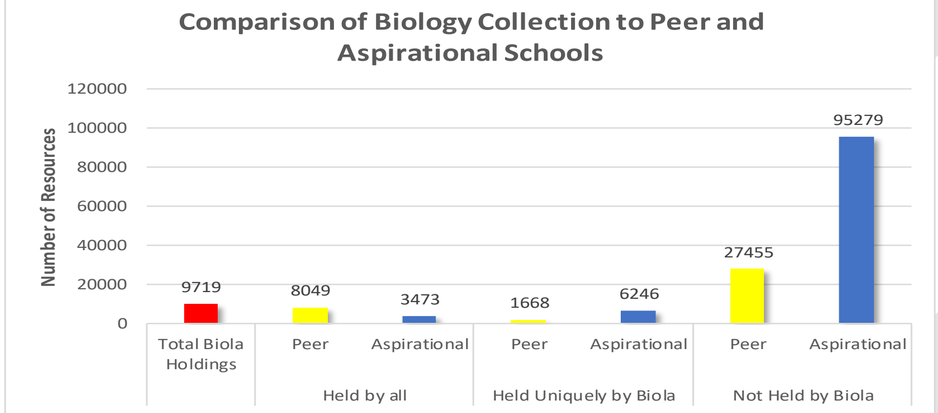


Faculty Opinion

> "Unfortunately, scientists don't really read books, and scientists that are productive in their fields don't write books. Everything is about journals and journal access."
>
> – a biological sciences professor



Peer and Aspirational Comparison



Next Steps

- Recommendation to finish the STEM analysis to see if trends hold across all the sciences.
- Examine journal package deals ("Big Deal," pay–as–you–go, and open access) to find cost effective ways to meet the needs of science faculty and students
- Explore emerging technology (VR, makerspaces, etc.) to support research beyond journals and books

April Ray
MLIS CAPSTONE 2018

Sponsor: The Biola University Library, with special thanks to Dr. Gregg Geary, Sue Whitehead, Eileen Walraven, and Julie Ellis

LIBRARY BIOLA UNIVERSITY

Information School UNIVERSITY of WASHINGTON